

## **SUB DATA PACKAGE**

**PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13**

**PROJECT # : Q1005**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

**Phone No: 412-921-7090**

**ORDER ID : Q1005**

**ATTENTION : Ernie Wu**



## Cover Page

**Order ID :** Q1005

**Project ID :** NWIRP Bethpage 112G08005-WE13

**Client :** Tetra Tech NUS, Inc.

**Lab Sample Number**

Q1005-01

**Client Sample Number**

VPB190A-HYD-20241231

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

Date: 1/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Yazmeen Gomez  
Chemtech Consulting Group Inc.  
284 Sheffield Street  
Mountainside, New Jersey 07092

Generated 1/14/2025 7:58:08 AM

## JOB DESCRIPTION

1,4 Dioxane

## JOB NUMBER

810-133705-1

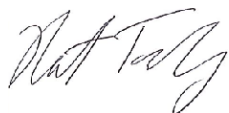
# Eurofins Eaton Analytical South Bend

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

## Authorization



Generated  
1/14/2025 7:58:08 AM

Authorized for release by  
Nathan Trowbridge, Manager of Project Management  
[Nathan.Trowbridge@et.eurofinsus.com](mailto:Nathan.Trowbridge@et.eurofinsus.com)  
(574)233-4777

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Detection Summary . . . . .      | 6  |
| Client Sample Results . . . . .  | 7  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 10 |
| Lab Chronicle . . . . .          | 11 |
| Certification Summary . . . . .  | 12 |
| Method Summary . . . . .         | 14 |
| Sample Summary . . . . .         | 15 |
| Chain of Custody . . . . .       | 16 |
| Receipt Checklists . . . . .     | 17 |



## Definitions/Glossary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Chemtech Consulting Group Inc.  
Project: 1,4 Dioxane

Job ID: 810-133705-1

**Job ID: 810-133705-1**

**Eurofins Eaton Analytical South Bend**

### **Job Narrative 810-133705-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The sample was received on 1/9/2025 9:45 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### **GC/MS Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Eaton Analytical South Bend

Detection Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

Client Sample ID: VPB190A-HYD-20241231

Lab Sample ID: 810-133705-1

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

Client Sample ID: VPB190A-HYD-20241231  
Date Collected: 12/31/24 10:00  
Date Received: 01/09/25 09:45

Lab Sample ID: 810-133705-1  
Matrix: Drinking Water

| Method: EPA 522 - 1,4 Dioxane (GC/MS SIM) |           |           |          |      |   |                |                |         |  |
|-------------------------------------------|-----------|-----------|----------|------|---|----------------|----------------|---------|--|
| Analyte                                   | Result    | Qualifier | RL       | Unit | D | Prepared       | Analyzed       | Dil Fac |  |
| 1,4-Dioxane                               | <0.070    |           | 0.070    | ug/L |   | 01/10/25 07:32 | 01/10/25 22:31 | 1       |  |
| Surrogate                                 | %Recovery | Qualifier | Limits   |      |   | Prepared       | Analyzed       | Dil Fac |  |
| 1,4-Dioxane-d8 (Surr)                     | 90        |           | 70 - 130 |      |   | 01/10/25 07:32 | 01/10/25 22:31 | 1       |  |

# Surrogate Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

Method: 522 - 1,4 Dioxane (GC/MS SIM)  
Matrix: Drinking Water

Prep Type: Total/NA

|                             |                      | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |  |  |
|-----------------------------|----------------------|------------------------------------------------|--|--|--|--|--|
|                             |                      | DXE                                            |  |  |  |  |  |
| Lab Sample ID               | Client Sample ID     | (70-130)                                       |  |  |  |  |  |
| 810-133705-1                | VPB190A-HYD-20241231 | 90                                             |  |  |  |  |  |
| LCS 810-129025/3-A          | Lab Control Sample   | 92                                             |  |  |  |  |  |
| LLCS 810-129025/2-A         | Lab Control Sample   | 93                                             |  |  |  |  |  |
| MBL 810-129025/1-A          | Method Blank         | 86                                             |  |  |  |  |  |
|                             |                      |                                                |  |  |  |  |  |
| Surrogate Legend            |                      |                                                |  |  |  |  |  |
| DXE = 1,4-Dioxane-d8 (Surr) |                      |                                                |  |  |  |  |  |

# QC Sample Results

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

## Method: 522 - 1,4 Dioxane (GC/MS SIM)

Lab Sample ID: MBL 810-129025/1-A  
Matrix: Drinking Water  
Analysis Batch: 129093

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 129025

| Analyte               | MBL<br>Result    | MBL<br>Qualifier | RL       | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|------------------|------------------|----------|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | <0.062           |                  | 0.070    | ug/L |   | 01/10/25 07:32 | 01/10/25 19:15 | 1       |
| Surrogate             | MBL<br>%Recovery | MBL<br>Qualifier | Limits   |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 86               |                  | 70 - 130 |      |   | 01/10/25 07:32 | 01/10/25 19:15 | 1       |

Lab Sample ID: LCS 810-129025/3-A  
Matrix: Drinking Water  
Analysis Batch: 129093

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 129025

| Analyte               | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-----------------------|------------------|------------------|------------------|------|---|------|----------------|
| 1,4-Dioxane           | 10.0             | 9.24             |                  | ug/L |   | 92   | 70 - 130       |
| Surrogate             | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |      |   |      |                |
| 1,4-Dioxane-d8 (Surr) | 92               |                  | 70 - 130         |      |   |      |                |

Lab Sample ID: LLCS 810-129025/2-A  
Matrix: Drinking Water  
Analysis Batch: 129093

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 129025

| Analyte               | Spike<br>Added    | LLCS<br>Result    | LLCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-----------------------|-------------------|-------------------|-------------------|------|---|------|----------------|
| 1,4-Dioxane           | 0.0700            | 0.0807            |                   | ug/L |   | 115  | 50 - 150       |
| Surrogate             | LLCS<br>%Recovery | LLCS<br>Qualifier | Limits            |      |   |      |                |
| 1,4-Dioxane-d8 (Surr) | 93                |                   | 70 - 130          |      |   |      |                |

## QC Association Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

### GC/MS Semi VOA

#### Prep Batch: 129025

| Lab Sample ID       | Client Sample ID     | Prep Type | Matrix         | Method | Prep Batch |
|---------------------|----------------------|-----------|----------------|--------|------------|
| 810-133705-1        | VPB190A-HYD-20241231 | Total/NA  | Drinking Water | 522    |            |
| MBL 810-129025/1-A  | Method Blank         | Total/NA  | Drinking Water | 522    |            |
| LCS 810-129025/3-A  | Lab Control Sample   | Total/NA  | Drinking Water | 522    |            |
| LLCS 810-129025/2-A | Lab Control Sample   | Total/NA  | Drinking Water | 522    |            |

#### Analysis Batch: 129093

| Lab Sample ID       | Client Sample ID     | Prep Type | Matrix         | Method | Prep Batch |
|---------------------|----------------------|-----------|----------------|--------|------------|
| 810-133705-1        | VPB190A-HYD-20241231 | Total/NA  | Drinking Water | 522    | 129025     |
| MBL 810-129025/1-A  | Method Blank         | Total/NA  | Drinking Water | 522    | 129025     |
| LCS 810-129025/3-A  | Lab Control Sample   | Total/NA  | Drinking Water | 522    | 129025     |
| LLCS 810-129025/2-A | Lab Control Sample   | Total/NA  | Drinking Water | 522    | 129025     |

Lab Chronicle

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

Client Sample ID: VPB190A-HYD-20241231  
Date Collected: 12/31/24 10:00  
Date Received: 01/09/25 09:45

Lab Sample ID: 810-133705-1  
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab   | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|-------|----------------------|
| Total/NA  | Prep       | 522          |     |                 | 129025       | MW      | EA SB | 01/10/25 07:32       |
| Total/NA  | Analysis   | 522          |     | 1               | 129093       | KO      | EA SB | 01/10/25 22:31       |

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

## Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

### Laboratory: Eurofins Eaton Analytical South Bend

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority                         | Program       | Identification Number | Expiration Date |
|-----------------------------------|---------------|-----------------------|-----------------|
| A2LA                              | ISO/IEC 17025 | 5794.01               | 07-31-26        |
| Alabama                           | State         | 40700                 | 06-30-25        |
| Alaska                            | State         | IN00035               | 06-30-25        |
| Arizona                           | State         | AZ0432                | 07-26-25        |
| Arkansas (DW)                     | State         | EPA IN00035           | 06-30-25        |
| California                        | State         | 2920                  | 06-30-25        |
| Colorado                          | State         | IN00035               | 02-28-25        |
| Connecticut                       | State         | PH-0132               | 03-31-26        |
| Delaware (DW)                     | State         | IN00035               | 06-30-25        |
| Florida                           | NELAP         | E87775                | 06-30-25        |
| Georgia (DW)                      | State         | 929                   | 06-30-25        |
| Guam                              | State         | 23-011R               | 07-15-25        |
| Hawaii                            | State         | IN035                 | 06-30-25        |
| Idaho (DW)                        | State         | IN00035               | 12-31-25        |
| IL Dept. of Public Health (Micro) | State         | 17767                 | 06-30-25        |
| Illinois                          | NELAP         | 200001                | 09-30-25        |
| Indiana                           | State         | C-71-01               | 12-31-25        |
| Indiana (Micro)                   | State         | M-76-07               | 12-31-25        |
| Iowa                              | State         | IA Lab #098           | 11-01-25        |
| Kansas                            | NELAP         | E-10233               | 10-31-25        |
| Kentucky (DW)                     | State         | KY90056               | 12-31-24 *      |
| Louisiana (DW)                    | State         | LA014                 | 12-31-25        |
| Maine                             | State         | IN00035               | 05-01-25        |
| Maryland                          | State         | 209                   | 06-30-25        |
| Massachusetts                     | State         | M-IN035               | 06-30-25        |
| MI - RadChem Recognition          | State         | 9926                  | 06-01-25        |
| Michigan                          | State         | 9926                  | 12-31-25        |
| Minnesota                         | NELAP         | 1989807               | 12-31-25        |
| Mississippi                       | State         | IN00035               | 06-30-25        |
| Missouri                          | State         | 880                   | 09-30-27        |
| Montana (DW)                      | State         | CERT0026              | 01-01-26        |
| Nebraska                          | State         | NE-OS-05-04           | 06-30-25        |
| Nevada                            | State         | IN000352024-01        | 07-31-25        |
| New Hampshire                     | NELAP         | 2124                  | 11-05-25        |
| New Jersey                        | NELAP         | IN598                 | 06-30-25        |
| New Mexico                        | State         | IN00035               | 06-30-25        |
| New York                          | NELAP         | 11398                 | 04-01-25        |
| North Carolina (DW)               | State         | 18700                 | 07-31-25        |
| North Dakota                      | State         | R-035                 | 06-30-24 *      |
| Northern Mariana Islands (DW)     | State         | IN00035               | 06-30-25        |
| Ohio                              | State         | 87775                 | 06-30-25        |
| Oklahoma                          | NELAP         | D9508                 | 08-31-25        |
| Oregon                            | NELAP         | 4156                  | 09-16-25        |
| Pennsylvania                      | NELAP         | 68-00466              | 04-30-25        |
| Puerto Rico                       | State         | IN00035               | 04-01-25        |
| Rhode Island                      | State         | LAO00343              | 12-30-24 *      |
| South Carolina                    | State         | 95005001              | 06-30-25        |
| South Dakota (DW)                 | State         | IN00035               | 06-30-25        |
| Tennessee                         | State         | TN02973               | 06-30-25        |
| Texas                             | NELAP         | T104704187-22-16      | 12-31-25        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Eaton Analytical South Bend

## Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

### Laboratory: Eurofins Eaton Analytical South Bend (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority          | Program             | Identification Number | Expiration Date |
|--------------------|---------------------|-----------------------|-----------------|
| Texas              | TCEQ Water Supply   | TX207                 | 06-30-25        |
| USEPA UCMR 5       | US Federal Programs | IN00035               | 12-31-25        |
| Utah               | NELAP               | IN00035               | 07-31-25        |
| Vermont            | State               | VT-8775               | 11-15-25        |
| Virginia           | NELAP               | 460275                | 03-14-25        |
| Washington         | State               | C837                  | 01-01-25 *      |
| West Virginia (DW) | State               | 9927 C                | 01-31-25        |
| Wisconsin          | State               | 999766900             | 08-31-25        |
| Wisconsin (Micro)  | State               | 10121                 | 12-31-25        |
| Wyoming            | State               | 8TMS-L                | 06-30-25        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Eaton Analytical South Bend

## Method Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

| Method | Method Description           | Protocol | Laboratory |
|--------|------------------------------|----------|------------|
| 522    | 1,4 Dioxane (GC/MS SIM)      | EPA      | EA SB      |
| 522    | Solid-Phase Extraction (SPE) | EPA      | EA SB      |

### Protocol References:

EPA = US Environmental Protection Agency

### Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Sample Summary

Client: Chemtech Consulting Group Inc.  
Project/Site: 1,4 Dioxane

Job ID: 810-133705-1

| Lab Sample ID | Client Sample ID     | Matrix         | Collected      | Received       |
|---------------|----------------------|----------------|----------------|----------------|
| 810-133705-1  | VPB190A-HYD-20241231 | Drinking Water | 12/31/24 10:00 | 01/09/25 09:45 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
WWW.CHEMTECH.NET



810-133705 Chain of Custody

#### CHAIN OF CUSTODY RECORD

| Sub Lab INFORMATION                            | CLIENT PROJECT INFORMATION               | CLIENT BILLING INFORMATION                |
|------------------------------------------------|------------------------------------------|-------------------------------------------|
| COMPANY : Eurofins Eaton Analytical South Bend | ORDER ID : Q1005                         | BILL TO: CHEMTECH PO# : q1005             |
| ADDRESS : 110 South Bend                       | PROJECT ID:NWIRP Bethpage 112G08005-WE13 | ADDRESS : 284, Sheffield Street           |
| CITY:South Bend State :IN ZIP :46617           | PROJECT MANAGER Yazmeen                  | CITY: Mountainside State : NJ ZIP : 07092 |
| E-mail :Nathan.Trowbridge@et.eurofinsus.       | E-mail : YAZMEEN@CHEMTECH.NET            | ATTENTION :Yazmeen                        |
| PHONE :574-233-4777                            | PHONE : (908) 789 8900                   | FAX: (908) 789 8922                       |

EDD : ADAPT Report : Level 4+Level 2+ RAW DATA Comment : \*DOD (REPORT TO THE LOD AND INCLUDE PRESENTATION FOR THE LOQ AND DL)

| ID | CLIENT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | ANALYSIS    | Preservative       | Method | SAMPLE COLLECTION |          | # OF<br>BOTTLES | TAT<br>DAYS |
|----|---------------------------------|------------------|-------------|--------------------|--------|-------------------|----------|-----------------|-------------|
|    |                                 |                  |             |                    |        | DATE              | TIME     |                 |             |
| 01 | VPB190A-HYD-20241231            | Water            | 1,4 Dioxane | 1:1 HNO3 to pH < 2 | 522    | 12/31/2024        | 10:00:00 | 2               | 10          |

Initial Temp: 0.0  
Corrected Temp: 0.2 net  
IR Gun # 37

#### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY |                             |                                    |                                              |                                                                           |                                                          |
|---------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------|----------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br><br>1.                                                                      | DATETIME:<br><br>01/09/2025 | RECEIVED BY:<br><br>1. Peyton Trow | Conditions of bottles or Coolers at receipt: | <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant | Cooler Temp _____<br><br>Ice or Cooler? _____            |
| RELINQUISHED BY:<br><br>2.                                                                              | DATETIME:<br><br>0945       | RECEIVED BY:<br><br>2.             | Page 1 of 1                                  | <input type="checkbox"/> OVERNIGHT                                        | Shipment Complete:                                       |
| RELINQUISHED BY:<br><br>3.                                                                              | DATETIME:                   | RECEIVED BY:<br><br>3.             |                                              | <input type="checkbox"/> OVERNIGHT                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO |

Q1005

18 of 20



|                                                                                                                                                                                   |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------------------|-------------------------------------------------------------------------------|---|------------------|------------------------|------------------------|--|--|--|------------------------------------------------------|----------------|------------------------------------------------------------------------------|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|
| <b>CHEMTECH</b><br>CHAIN OF CUSTODY RECORD                                                                                                                                        |                        | 284 Sheffield Street, Mountainside, NJ 07092<br>(908) 789-8900 Fax: (908) 78-8922<br>www.chemtech.net |   |                                                                                                                                                                                                                                                                                                                                                                                               |   | Chemtech Project Number: <u>Q1004 / Q1005</u><br>COC Number: |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                                                                                                                                                                   |                        | <b>CLIENT INFORMATION</b>                                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                               |   | <b>PROJECT INFORMATION</b>                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>BILLING INFORMATION</b> |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| COMPANY: Tetra Tech<br>ADDRESS: 4433 Corporation Lane Suite 300<br>CITY: Virginia Beach STATE: VA ZIP: 23462<br>ATTENTION: Ernie Wu<br>PHONE: 757-466-4901 FAX: 757-461-4148      |                        |                                                                                                       |   | PROJECT NAME: NWIRP Bethpage<br>PROJECT #: 112G08005-VE13 LOCATION: VPB-189<br>PROJECT MANAGER: Ernie Wu<br>E-MAIL: ernie.wu@tetrattech.com<br>PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                                                                                          |   |                                                              |   | BILL TO: SEE CONTRACT PO#<br>ADDRESS:<br>CITY: STATE: ZIP:<br>ATTENTION: PHONE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| <b>DATA TURNAROUND INFORMATION</b>                                                                                                                                                |                        |                                                                                                       |   | <b>DATA DELIVERABLE INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                           |   |                                                              |   | <b>ANALYSIS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| FAX: <u>2 &amp; 10</u> DAYS*<br>HARD COPY: <u>2 &amp; 10</u> DAYS*<br>EDD <u>2 &amp; 10</u> DAYS*<br>* TO BE APPROVED BY CHEMTECH<br>STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS |                        |                                                                                                       |   | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP<br><input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"<br><input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"<br><input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____<br><input type="checkbox"/> EDD Format _____ |   |                                                              |   | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC(SW846-8260B)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,4 Dioxane (8270 SIM)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,4 Dioxane (822 PREC)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   | VOC(SW846-8260B) | 1,4 Dioxane (8270 SIM) | 1,4 Dioxane (822 PREC) |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |  |  |  |  |  |  |
| VOC(SW846-8260B)                                                                                                                                                                  | 1,4 Dioxane (8270 SIM) | 1,4 Dioxane (822 PREC)                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 1                                                                                                                                                                                 | 2                      | 3                                                                                                     | 4 | 5                                                                                                                                                                                                                                                                                                                                                                                             | 6 | 7                                                            | 8 | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| <b>CHEMTECH SAMPLE ID</b>                                                                                                                                                         |                        |                                                                                                       |   | <b>PROJECT SAMPLE IDENTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                          |   |                                                              |   | <b>SAMPLE MATRIX</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>SAMPLE TYPE</b>         |      | <b>SAMPLE COLLECTION</b>                                                                                                                                                           |       | # of Bottles | <b>PRESERVATIVES</b> |                                                                               |   |                  |                        |                        |  |  |  | <b>COMMENTS</b>                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                                                                                                                                                                   |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | COMP                       | GRAB | DATE                                                                                                                                                                               | TIME  |              | A                    |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                | <-- Specify Preservatives<br>A-HCl B-HNO3<br>C-H2SO4 D-NaOH<br>E-ICE F-Other |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 1.                                                                                                                                                                                |                        |                                                                                                       |   | BP-VPB-190A-TB-20241230                                                                                                                                                                                                                                                                                                                                                                       |   |                                                              |   | QA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 12/30/24                                                                                                                                                                           | 8:00  | 2            | 2                    |                                                                               |   |                  |                        |                        |  |  |  |                                                      | Trip Blank     |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 2.                                                                                                                                                                                |                        |                                                                                                       |   | VPB190A-HYD-20241231                                                                                                                                                                                                                                                                                                                                                                          |   |                                                              |   | QA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 12/31/24                                                                                                                                                                           | 10:00 | 5            | 2                    | 1                                                                             | 2 |                  |                        |                        |  |  |  |                                                      | Hydrant Sample |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 3.                                                                                                                                                                                |                        |                                                                                                       |   | BP-VPB-190A-EB-20241231                                                                                                                                                                                                                                                                                                                                                                       |   |                                                              |   | QA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 12/31/24                                                                                                                                                                           | 11:40 | 2            | 2                    |                                                                               |   |                  |                        |                        |  |  |  | Equipment Blank                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 4.                                                                                                                                                                                |                        |                                                                                                       |   | BP-VPB-190A-GW-778-780                                                                                                                                                                                                                                                                                                                                                                        |   |                                                              |   | AQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 12/31/24                                                                                                                                                                           | 14:05 | 3            | 3                    |                                                                               |   |                  |                        |                        |  |  |  | Collected extra vials due to high particulate matter |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 5.                                                                                                                                                                                |                        |                                                                                                       |   | BP-VPB-190A-GW-803-805                                                                                                                                                                                                                                                                                                                                                                        |   |                                                              |   | AQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 1/2/25                                                                                                                                                                             | 12:30 | 3            | 2                    | 1                                                                             |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 6.                                                                                                                                                                                |                        |                                                                                                       |   | BP-VPB-190A-GW-818-820                                                                                                                                                                                                                                                                                                                                                                        |   |                                                              |   | AQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                            | X    | 1/2/25                                                                                                                                                                             | 14:45 | 2            | 2                    |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 7.                                                                                                                                                                                |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 8.                                                                                                                                                                                |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 9.                                                                                                                                                                                |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| 10.                                                                                                                                                                               |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| <b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY</b>                                                                     |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| RELINQUISHED BY SAMPLER<br>                                                                                                                                                       |                        | DATE/TIME<br><u>1/2/25 15:00</u>                                                                      |   | RECEIVED BY<br>                                                                                                                                                                                                                                                                                                                                                                               |   | DATE/TIME<br><u>1-2-25 1515</u>                              |   | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp <u>2.8°C</u><br>MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler?: _____                                                                                                                                                                                                                                                                                                                                                                         |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| RELINQUISHED BY<br>                                                                                                                                                               |                        | DATE/TIME<br><u>1-2-25 1845</u>                                                                       |   | RECEIVED BY<br>                                                                                                                                                                                                                                                                                                                                                                               |   | DATE/TIME<br><u>1-2-25</u>                                   |   | Comments: <b>48hr TAT</b> - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list<br><b>10-DAY TAT</b> - For 1,4 Dioxane (8270 SIM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| RELINQUISHED BY<br>                                                                                                                                                               |                        | DATE/TIME<br><u>1-2-25</u>                                                                            |   | RECEIVED FOR LAB BY<br>                                                                                                                                                                                                                                                                                                                                                                       |   | DATE/TIME<br><u>1-2-25</u>                                   |   | Page <u>1</u> of <u>1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                            |      | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight |       |              |                      | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| WHITE - CHEMTECH COPY FOR RETURN TO CLIENT    YELLOW - CHEMTECH COPY    PINK - SAMPLER COPY                                                                                       |                        |                                                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                            |      |                                                                                                                                                                                    |       |              |                      |                                                                               |   |                  |                        |                        |  |  |  |                                                      |                |                                                                              |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |

## Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 810-133705-1

Login Number: 133705

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Trowbridge, Peyton

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Container provided by EEA                                                        | True   |         |